

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	East Germany	REPORT	
SUBJECT	Development of Ceramic Turbine Blades at the Hescho Plant in Hermsdorf	DATE DISTR.	1 July 1953
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1. In the last year of the war, the Hescho Plant in Hermsdorf, together with the Augsburg BMW Plant, made developments in the production of gas turbines for jet fighters by using ceramic blades and rotating racks (rotierende Halterungen). In 1951, the Hescho Plant resumed this activity by order of the SMA. At present, the plant develops blades as described in an application for a patent.
2. In mid-1952, the patent documents were submitted to the Central Patent Office in Moscow. The patents are being continued on the basis of the research activities still in progress.

Comment: During the war, high quality ceramic masses were first developed at the Rosenthal-Isolatoren GmbH (Rosenthal Insulator Ltd.) (RIG) in Hennigsdorf, later in the Selb and Markt Redwitz plants. In 1944, titanium masses for gas turbines were developed in the RIG laboratory headed by Dipl. Ing. Ziegler (fmu) now living in the [redacted]. The blades were filled with a tungsten alloy casting at the turbine rotor.

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25 YEAR RE-REVIEW

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